

Headquarters  
US Army Armor Center and Fort Knox  
Fort Knox, KY 40121-5000  
2 February 2005

\*Fort Knox Reg 420-6

## Facilities Engineering

### CONSTRUCTION AND MAINTENANCE OF MISCELLANEOUS STRUCTURES

**Summary.** This regulation prescribes policies and procedures governing the construction and maintenance of miscellaneous structures and the installation of digital satellite systems (DSSs).

**Applicability.** This regulation applies to all uniformed personnel assigned to or supported by the US Army Armor Center and Fort Knox (USAARMC).

**Suggested Improvements.** The proponent of this regulation is the Directorate of Base Operations Support (DBOS). Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) through channels to Commander, USAARMC and Fort Knox (ATZK-OS), Fort Knox, KY 40121-5000.

1. **Purpose.** To establish the policy and procedures governing the construction and maintenance of miscellaneous structures and DSSs on this installation.
2. **Objective.** To prescribe the type, design, and maintenance requirements for miscellaneous or temporary structures on this installation, thereby assuring a uniform and orderly appearance.
3. **Policies.** All requests for approval for construction of miscellaneous structures, fences, or the installation of DSSs must be submitted by the quarters resident, activity, or organization to the DBOS Work Reception Desk, located in the basement of Bldg. No. 1110-A, on DA Form 4283 (Facilities Engineering Work Request), in two copies. DA Form 4283 will include complete justification and proposed location with a proposed drawing of structure.
4. **Responsibilities.** The DBOS has overall responsibility for the administration and enforcement of policies regarding construction and maintenance of miscellaneous structures and DSSs on this installation.
5. **Authorized Structures.** All authorized structures must comply with standard design requirements which are available at DBOS. Any damage caused to or by (whether by nature or government hired contractors) any structure (to include resident installed fences, storage sheds or their contents, canopies, and DSSs) will be the sole responsibility of the resident. It is strongly recommended that all housing residents obtain renter's insurance. Erection of approved structures by residents of quarters will be accomplished at no cost to the government. Residents must remove structures or DSSs before vacating quarters.

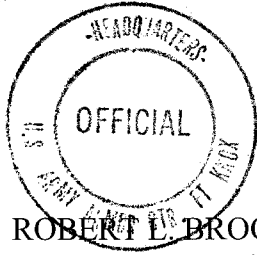
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\*This regulation supersedes Fort Knox Reg 420-6, 22 Jul 99.

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6. Unauthorized Structures. The construction of lean-tos, garages, porch enclosures, tree houses, or other similar structures is prohibited. Ornamental devices and window air conditioner supports will not be permanently attached to the exterior surface of family quarters.

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## **Appendix A**

### **Authorized Structures**

#### **1. Fences.**

a. Quarters. All requests for installation of fences are subject to approval through DBOS. All requests will be submitted on a DA Form 4283 in two copies; a sketch of the type and location will accompany the request. (See paragraph 1c of this appendix for complete instructions.)

(1) All fences will be located in the rear, or in some approved cases, to the side of end units as long as the fence does not go beyond the front of an adjoining building. Fences will not enclose any part of community property such as sidewalks, clotheslines, etc.

(2) There will be no fences constructed in front of family housing quarters except decorative fences around flower beds. Landscaping materials 6 to 8 inches high are authorized around flower beds next to the buildings.

(3) There will be no fences constructed utilizing string, rope, single strands of wire, or engineer tape.

#### **b. Authorized.**

(1) Picket type. Wood picket fences will conform to Engineer Drawing F-11123 (Figure A-1), be constructed with 1- by 2-inch wood pickets spaced 2 inches apart, and will be 4 feet in height. Pickets will have rounded tops with a diameter equal to the picket width. There will be no pointed tops. Wood picket fences will be painted with two coats of "exterior" paint, either white, natural wood color, or a color matching exterior trim on quarters.

(2) Lawn type. Lawn or wire fences will conform to Engineer Drawing F-11123 (Figure A-2). Lawn type or wire fences will be 4 feet in height. Round wood posts or wooden posts made of 4- by 4-inch material will be used. Posts will be placed in the ground at least every 10 feet. Lawn type or wire fences will be maintained in a manner to prevent rust.

(3) Chain link type. Chain link fences will conform to Engineer Drawing F-11123 (Figure A-3) and will be 4 feet in height. Commercial type metal round posts or wooden posts made of 4- by 4-inch material will be used. Posts will be placed in the ground at least every 10 feet. Posts should be placed 10 feet on center.

(4) Dog runs. Dog runs will conform to Engineer Drawing F-11123 (Figure A-4). Dog runs must be portable, must be moved often enough to prevent damage to the lawn, will not come in contact with or be connected to exterior siding on the quarters, and will not exceed 10 by 10 by 6 feet in height.

(5) Lattice screens. Lattice type screening is authorized for front porch areas and will not enclose entire front porch. Lattice trim must be painted white, natural wood, or match the exterior trim on the quarters. Permits for lattice screening must be applied for in the same manner as fencing.

(6) Prichard Place. Chain link type fence is the only type of fencing authorized. Chain link fence will conform to Engineer Drawing F-11123, and will be 4 feet in height. Commercial type metal round posts will be used. Posts will be placed in the ground at least every 10 feet. Posts shall be placed 10 feet on center. All fences will be located in the rear or, in some approved cases, to the side of the quarters as long as the fence does not go beyond the front of the quarters. Fences will not enclose any part of community property such as sidewalks, etc.

c. Procedure. To obtain approval for a fence or lattice permit, the occupant will:

(1) Complete a DA Form 4283 at the Work Reception Desk, located in the basement of Bldg. No. 1110-A.

(2) Provide a sketch with the DA Form 4283 showing the exact location and the exact dimensions of the requested fence. See attached sketch for an example (Figure A-5).

(3) Ensure fence is constructed at no cost to the government and maintained to present a neat appearance at all times. Damage caused to or by a resident-installed fence is the resident's responsibility, i.e., storm damage or storm damage repair crews.

(4) Ensure DBOS Plumbing Shop checks area for underground utilities before fence is installed. Resident will call 1-800-752-6007 "Before You Dig" (BUD) to verify the location of telephone and television cables and privatized utilities.

(5) Remove fence, when directed, if it does not conform to the above specifications.

(6) Maintain a copy of approved DA Form 4283.

(7) Remove all fencing before departing the installation and restore all grounds damaged by the presence of and the removal of the fence.

d. Troop Areas. Fences constructed in troop areas will be uniform, neat, and orderly in appearance. Construction must have prior approval of this headquarters; however, DBOS funds, labor, or materials will not be expended to accomplish such construction.

2. Storage Sheds for Family Quarters. The construction of storage sheds for family quarters must be approved in advance by DBOS. Before installing a storage shed, the resident must first submit two copies of DA Form 4283 to obtain a permit issued from DBOS Work Reception Desk. A scaled sketch of residence and proposed location and dimensions of the storage shed

must be attached to the permit. The permit and sketch will be taken to the DBOS Housing Division, located in Bldg. No. 1383, for final approval; and a copy will be retained on file at Housing Division. Residents will only be allowed to install one storage shed (except residents of Prichard Place where sufficient storage space is provided in the garage and the interior of the quarters to store personal items—the construction of any additional storage areas is prohibited.) Storage sheds will be limited to an 8- by 10-foot footprint and a maximum height of 8 feet. Only commercially purchased prefabricated storage sheds of a neutral color which complements the current housing will be authorized. It is the resident's responsibility to maintain the shed in a tidy and serviceable condition with no visible rust or rotting/deteriorating wood. Storage sheds may be placed on the end of the resident's driveway or in the resident's back yard. Under no circumstances is a permanent foundation authorized. The shed must be located so it does not interfere with the maintenance of the quarters, utilities, or grounds. If it becomes necessary to move/remove the storage shed for any type of maintenance or repairs, and the resident is not available or refuses to do so, the cost to move/remove the storage shed will be billed to the resident; and no form of reimbursement will be allowed for any damage to the storage shed or its contents during such move or removal. Any flooring/foundation must not exceed the outside dimensions of the shed. If posts will be drilled/driven into the ground, the resident must have the underground utilities marked before beginning work. Any damage caused to or by resident-installed storage shed will be the sole responsibility of the resident. Upon clearing of quarters, the resident is responsible for restoring the area occupied by the shed back to pre-shed condition.

3. Temporary Car Canopies. Car canopies will be permitted only at residences that have private driveways. Only one canopy will be authorized per residence. Resident must first submit two copies of DA Form 4283 to obtain a permit issued from the DBOS Work Reception Desk, located in the basement of Bldg. No. 1110-A. A scaled sketch of residence and proposed location and dimensions of the canopy will be attached to the permit. The permit and sketch will be taken to the DBOS Housing Division for final approval and will be retained on file at the Housing Division. Resident must coordinate for underground utilities to be marked in the area of canopy anchors before installation. The canopy will only be a commercially purchased, prefabricated product which cannot exceed 10 feet in width, 20 feet in length, or 10 feet in height. The canopy will have a durable metal, polyvinyl, or canvas fabric roof of a neutral color which complements the current housing. It is the resident's responsibility to maintain the canopy in neat and serviceable condition. No canopy will be a completely enclosed structure; only the roof will have covering. The canopy will be aligned with the rear of the driveway and extend no more than 20 feet toward the street. NOTE: Due to roadway easement requirements, residents of Godman Housing area are prohibited from installing car canopies. Under no circumstances will a canopy be installed that covers/obstructs the sidewalks. It must be located so it does not interfere with the maintenance of the quarters, utilities, or grounds. If it becomes necessary to move/remove the canopy for any type of maintenance or repairs and the resident is not available or refuses to do so, the cost to move/remove the canopy will be billed to the resident; and no form of reimbursement will be allowed for any damage to the canopy during such removal. The canopy frame will be anchored to the ground with a minimum of one anchor at each of the four corners by use of a metal screw-type anchor. No means of anchoring to the

housing structure or driveway is authorized. Any damage caused to or by a canopy will be the sole responsibility of the resident. Upon clearing of quarters, the resident is responsible for returning the area occupied by the canopy back to pre-canopy condition.

4. Dog Houses. Dog houses will be of sturdy construction and located in the back yard of quarters only. Dog houses will be maintained to present a neat appearance. Houses must be painted white, natural wood, or a finish that matches the exterior of the quarters.

5. Exterior Bulletin Boards. Bulletin boards will be constructed to conform with Engineer Drawing M-6675. The front will be equipped with four doors (two pairs) and the top will have a sloping roof. Existing bulletin boards that are not standard construction will not be replaced.

6. Digital Satellite Systems (DSSs).

a. Residents will be allowed to install a DSS; however, installation is restricted to an 18" DSS. NOTE: DSSs require an unobstructed southerly view for proper installation, and many of the Fort Knox Army Family Housing (AFH) quarters do not conform to that requirement.

(1) For dish mounting:

(a) You may use chimney straps or a single pole, detached from the dwelling, using the exact procedures defined in the manufacturer's basic installation guide. Exception to this will be those quarters having tile or slate roofs. In these buildings, the DBOS will coordinate with the resident when DSS is requested.

(b) You may use a triangular antenna tower installed according to the supplier's specifications for depth in ground and amount of concrete base with respect to height.

(2) The resident will be fully liable for damages to government property resulting from installation, removal, storm damage, etc.

(3) No cable will be ran along the surface of the ground, or strung along fencing. Cables will be buried.

(4) Upon termination, residents will restore quarters to their original condition (cable hole in siding or brick will be filled with silicone caulking, cable hole in drywall repaired, cable trenches filled, etc).

b. Residents will NOT:

(1) Attach the satellite to any roof or any structure siding (i.e.. brick, vinyl, wood, trim, etc).

- (2) Mount the satellite in neighboring yard.
- (3) Mount on existing utility poles.
- (4) Remove, tamper, change, relocate, or in any way disturb the existing television wiring or connections.
- (5) Remove or cut vegetation to accommodate a southerly exposure to the satellite.

c. Procedures.

(1) The resident must initiate a DA Form 4283 with the DBOS Work Reception Desk, located in the basement of Bldg. No. 1110-A.

(2) The DBOS shops will check for underground utilities. The resident will call 1-800-752-6007 "Before You Dig" (BUD) to verify the location of telephone and television cables and privatized utilities.

(3) The DBOS Housing Division, Facilities Management Branch, will authorize and inspect installation, as well as the removal.

7. Paint Lockers.

a. Temporary type. Temporary type paint lockers will conform to Engineer Drawing M-6683. They will be constructed of wood (40 by 40 by 60 inches) and equipped with a lid and hasp.

b. Markings. All paint lockers will be painted nutmeg brown, marked, and located per existing Fort Knox regulations.

c. Paint lockers are not authorized in Family Housing.

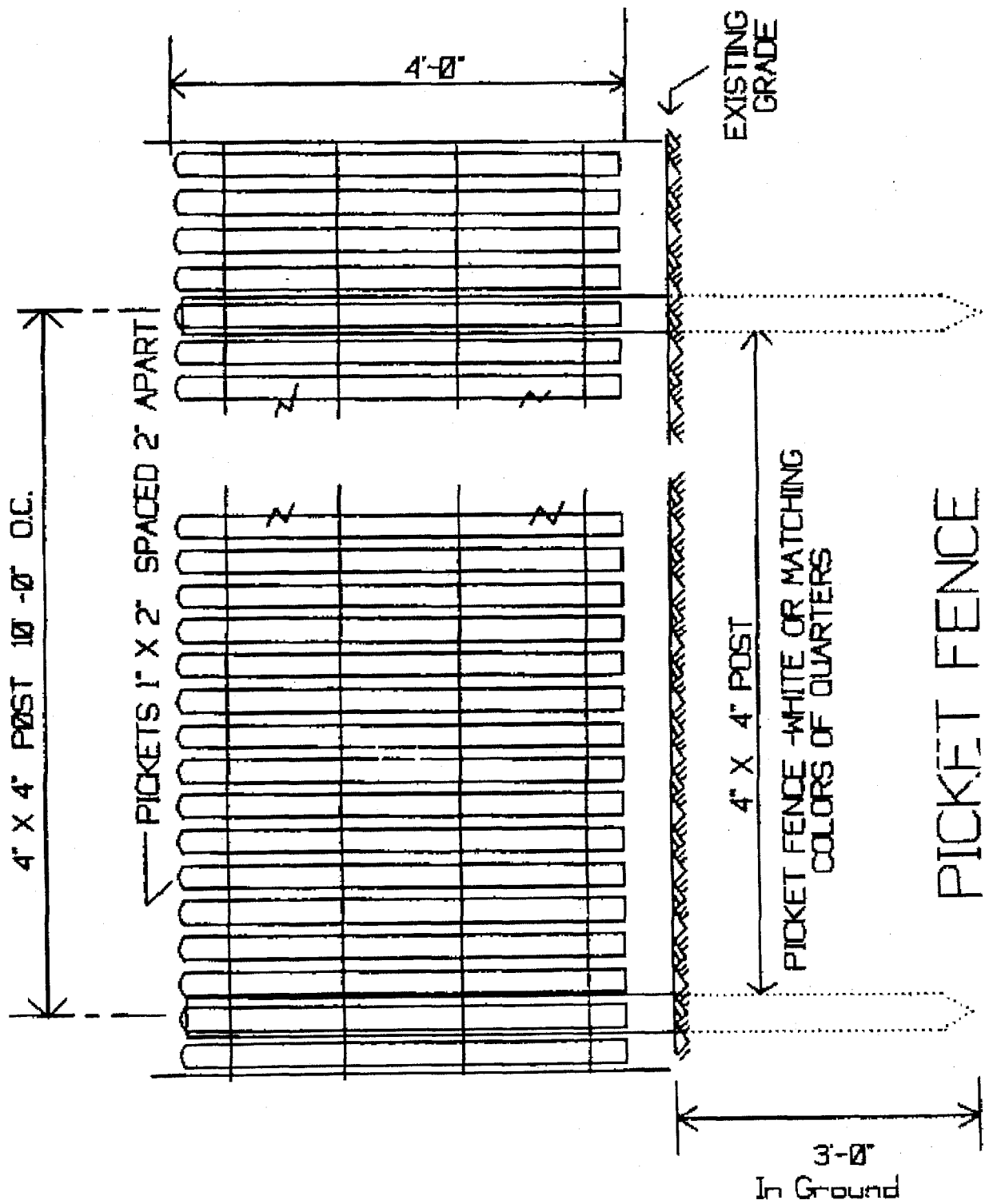


Figure A-1. Engineer Drawing F-11123 – Illustration of Picket Fence



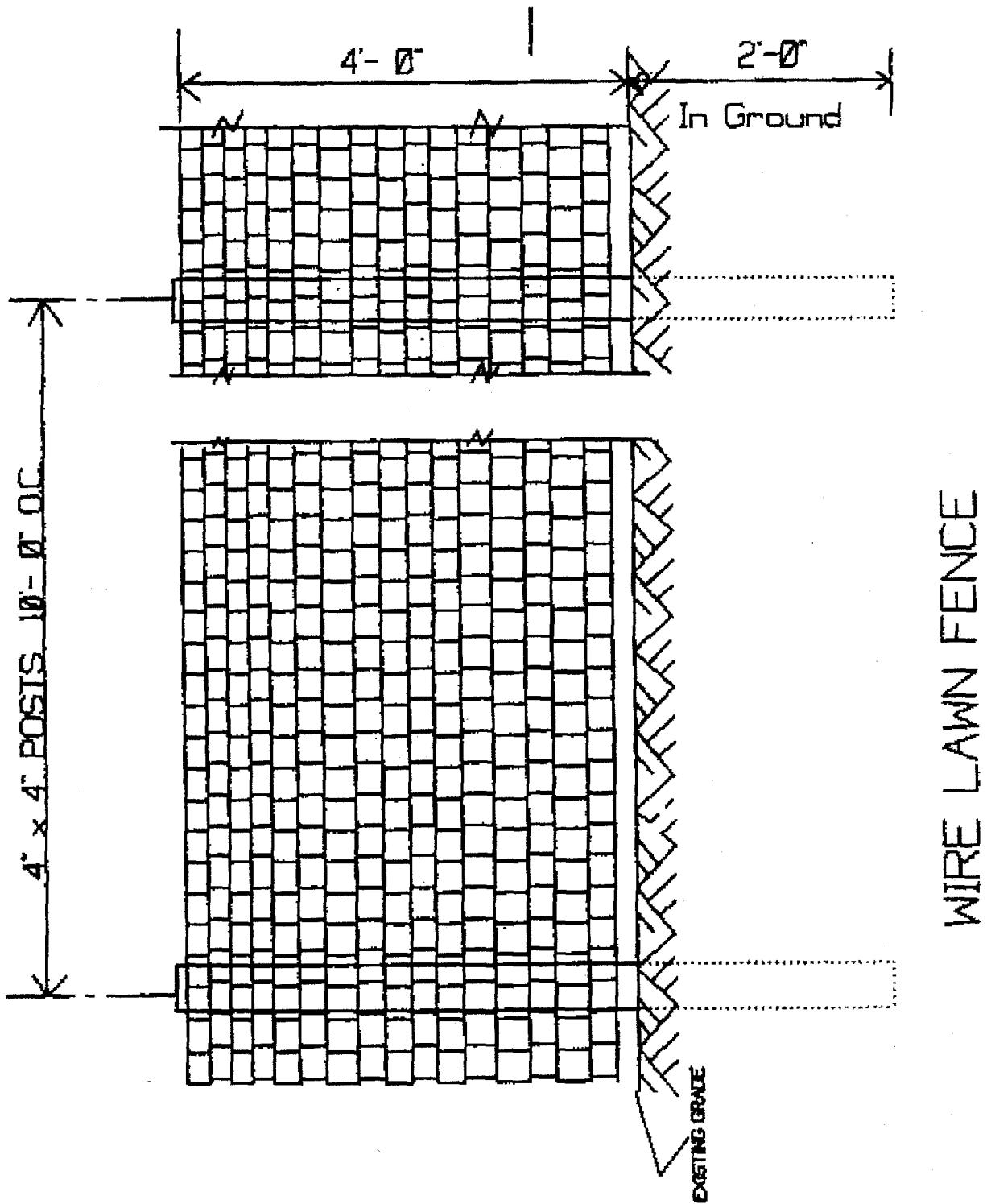


Figure A-2. Engineer Drawing F-11123 – Illustration of Wire Lawn Fence

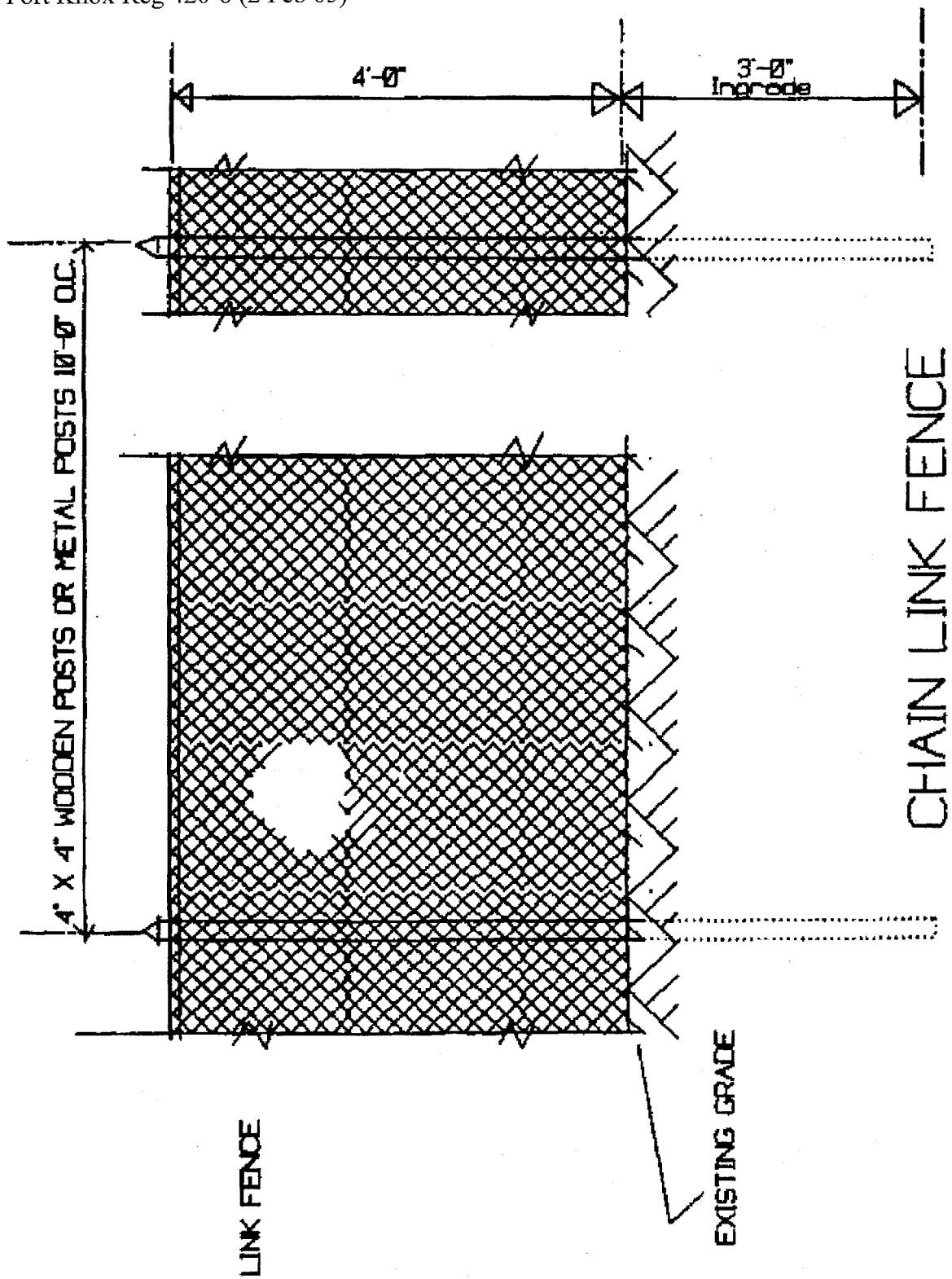


Figure A-3. Engineer Drawing F-11123 – Illustration of Chain Link Fence

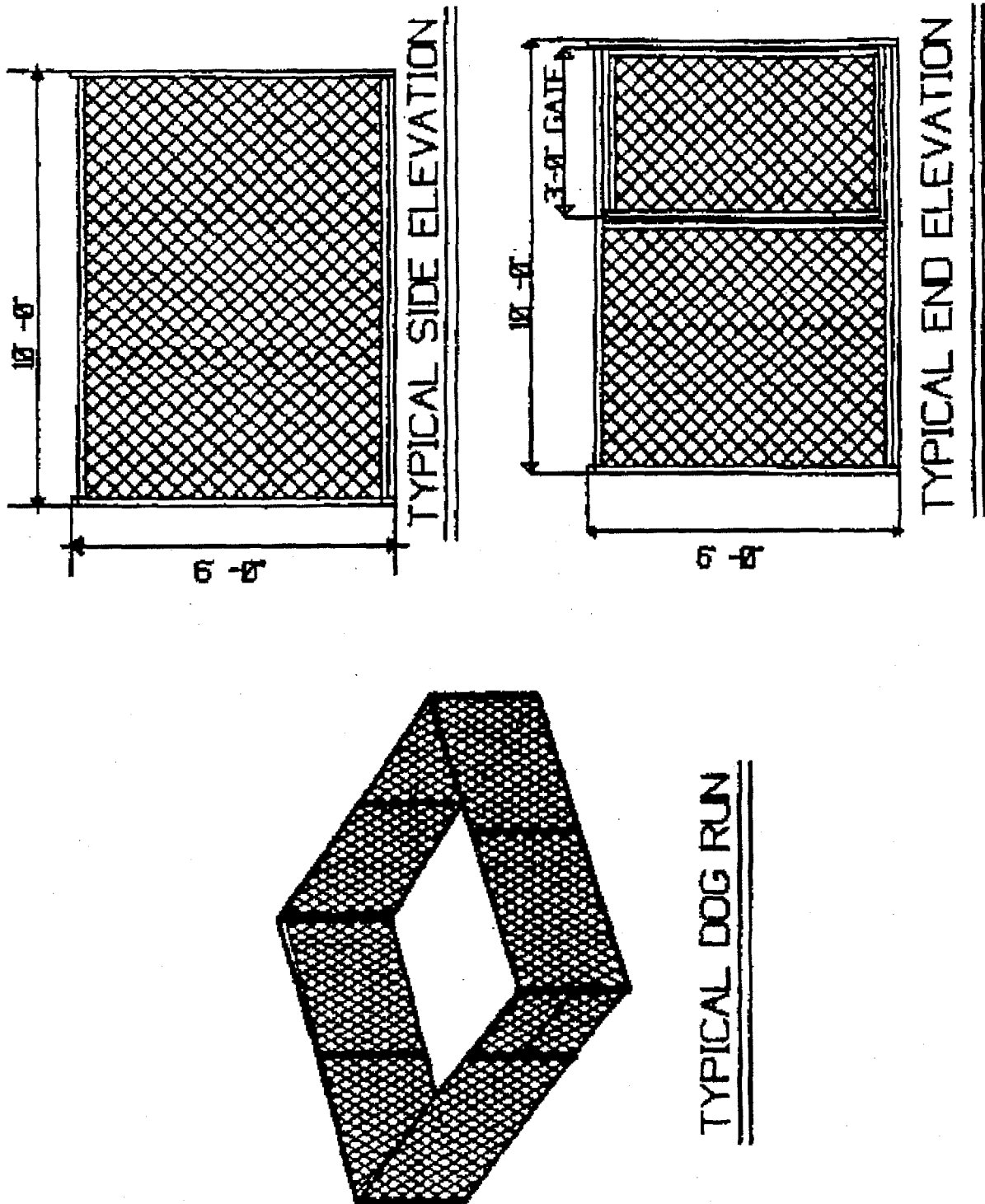


Figure A-4. Engineer Drawing F-11123 – Illustration of Dog Run

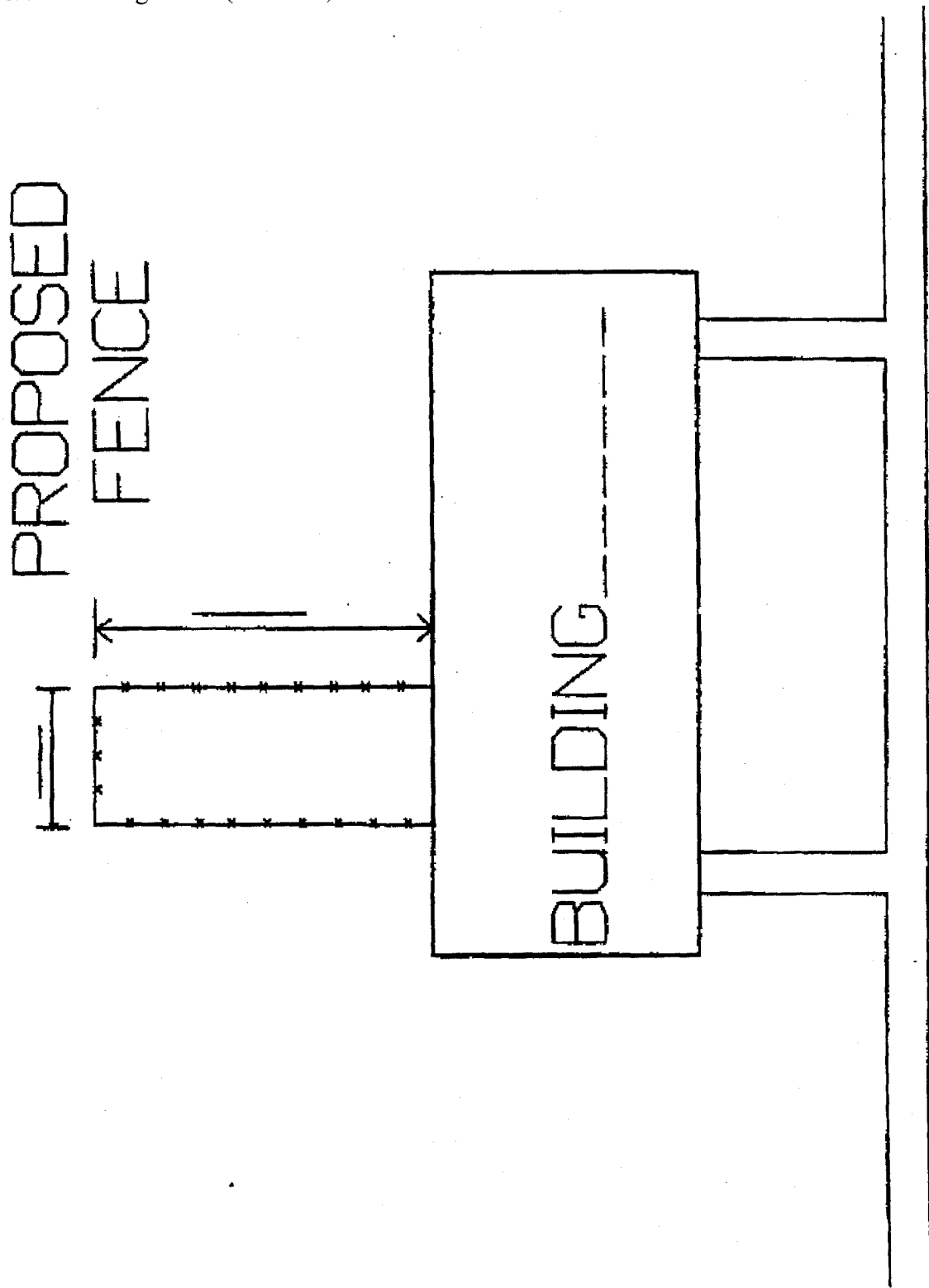


Figure A-5. Engineer Drawing F-11123 – Illustration of Sketch